

Abstract of the Disclosure

A graphics integrated circuit chip is used in a set-top box for
5 controlling a television display. The graphics chip processes
analog video input, digital video input, and graphics input.
The chip blends graphics and video information by various
graphics windows using alpha values for the windows, alpha
values per pixel, or both. The chip calculates a composite
10 alpha value based on the window's alpha values and the alpha
values per pixel. Blended graphics and video may then be
composited using the composite alpha value.

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